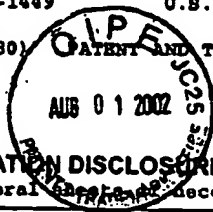
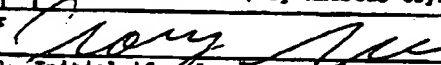


Form PTO-1449 COMMERCE (REV. 7-80)		U.S. DEPARTMENT OF PATENT AND TRADEMARK OFFICE		Atty. Docket No. US 000160		Serial No.									
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)				Applicant DAGNACHEW BIRRU		Group									
				Filing Date CONCURRENTLY											
U.S. PATENT DOCUMENTS															
Ex. Int		Document Number								Date	Name	Class	Sub-class	Filing Date If Approp.	
H.V.	AA	5	2	4	7	5	4	1	9/21/93	NAKAI	375	14	4/23/92		
H.V.	AB	5	2	9	3	4	0	2	3/8/94	CRESPO ET AL	375	14	5/2/91		
H.V.	AC	5	3	0	3	2	6	3	4/12/94	SHOJI ET AL	375	11	6/24/92		
H.V.	AD	5	7	7	9	0	4	7	7/14/98	DARRAH	206	373	3/25/97		
H.V.	AE														
FOREIGN PATENT DOCUMENTS															
		Document Number								Date	Country	Class	Sub-class	Trans.	
														Yes	no
H.V.	AF	0	3	6	3	5	5	1	B 1	12/7/94	EUROPE				X
H.V.	AG	0	9	6	7	7	6	3	A 1	12/29/99	EUROPE				X
	AH														
	AI														
OTHER (Including Author, Title, Date, Pertinent Pages, Etc.)															
	AJ														
	AK														
	AL														
	AM														
Examiner <i>[Signature]</i>										Date Considered 8/19/04					
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP Draw line through citation if not in conformance and not considered. Include a copy this form with next communication to applicant.															

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Sheet 1 of 1

Form PTO-1449 COMMERCE (REV. 7-80)		U.S. DEPARTMENT OF PATENT AND TRADEMARK OFFICE		Atty. Docket No. US 000160		Serial No. 09/840,200	
				Applicant Dagnachew Birru			
				Filing Date April 23, 2001		Group 2614	
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)							
U.S. PATENT DOCUMENTS							
Ex. Int	AA	Document Number	Date	Name	Class	Sub-class	Filing Date If Approp.
	AA						
	AB						
	AC						
	AD						
	AE						
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Sub-class	Trans. Yes no
	AF	0 0 1 6 5 2 6 A 1	3/23/00	World			X
	AG						
	AH						
	AI						
	AJ						
	AK						
OTHER (Including Author, Title, Date, Pertinent Pages, Etc.)							
	AL	"A Modified p-Weighted Normalized Frequency-Domain LMS Algorithm", by Harihar S. Punjabi et al., Pages 232-236. XP000488549					
	AM	"Adaptive Frequency-Domain Equalization and Diversity Combining for Broadband Wireless Communications", by Martin V. Clark, pages 409-413.					
	AN	"Degradation of Multicarrier and Single Carrier Transmission with Frequency Domain Equalization due to Pilot-Aided Channel Estimation and Frequency Synchronization", by Andreas Czulwik, pages 27-31.					
Examiner				Date Considered			
				8/19/04			
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